

FIG. 3

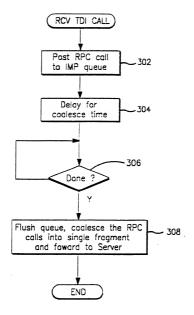
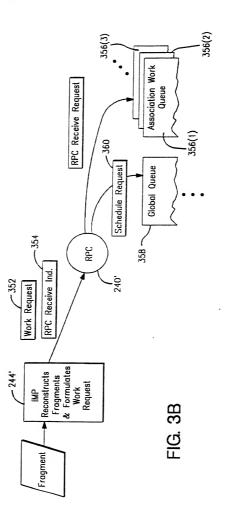


FIG. 3A



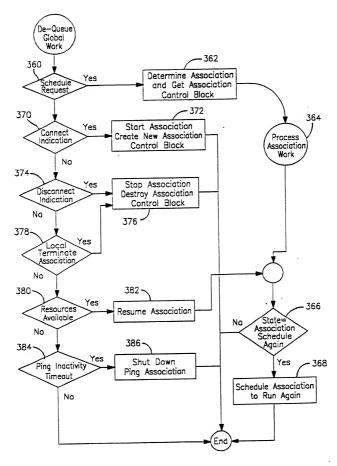


FIG. 4

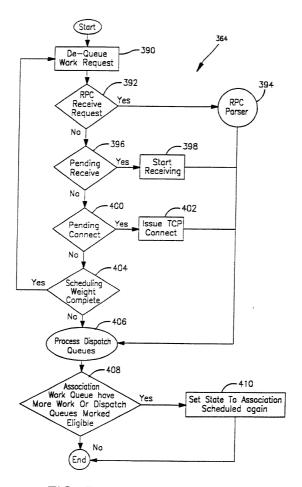
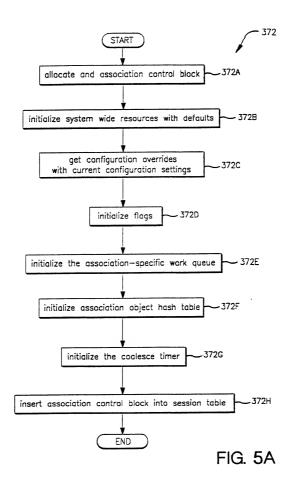
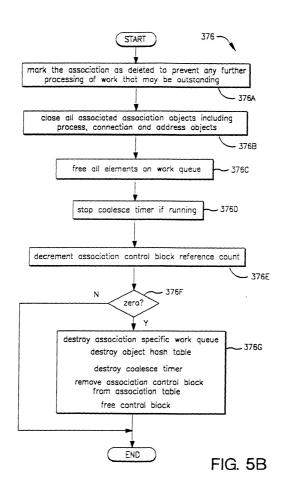


FIG. 5 Process Association Work





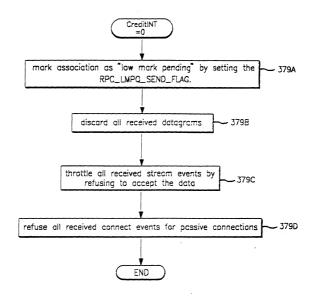


FIG. 5C

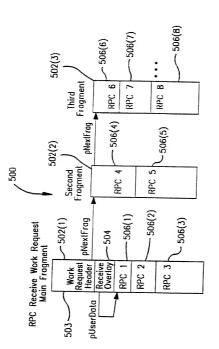
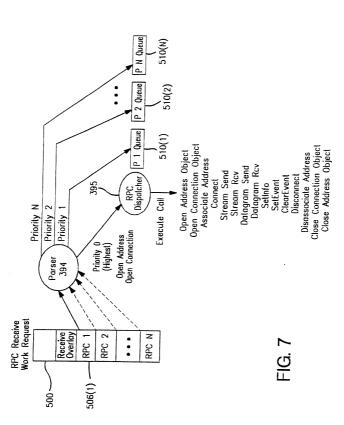
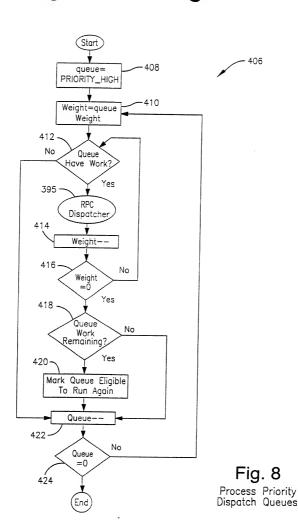
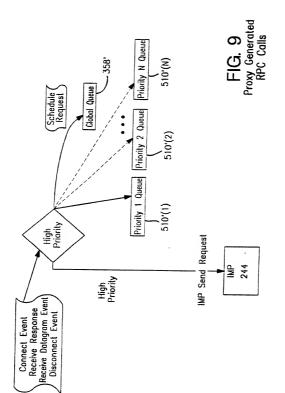
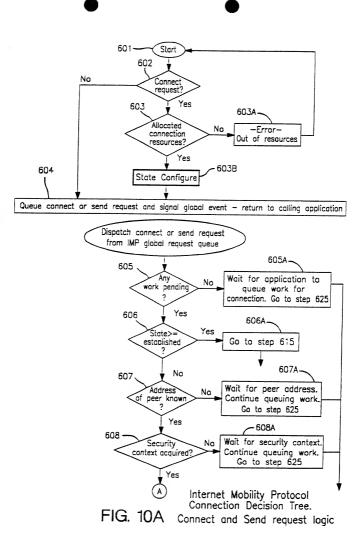


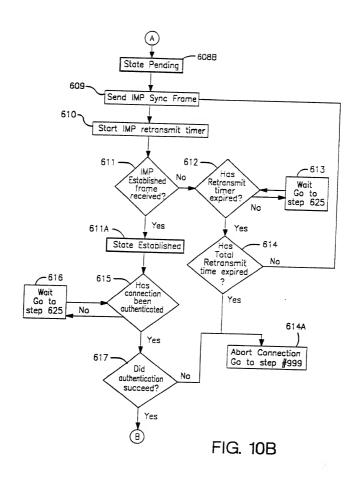
FIG. 6











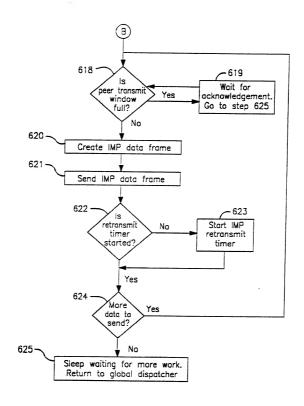
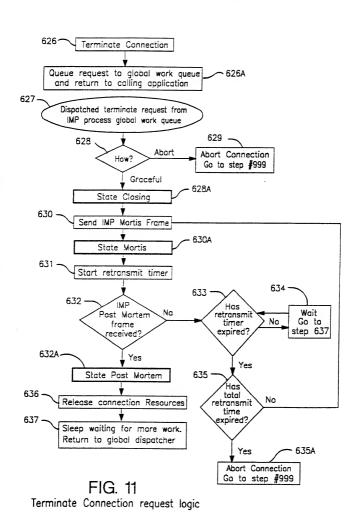


FIG. 10C



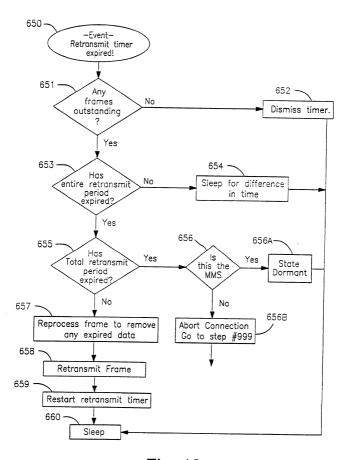


Fig. 12
Retransmit Event Logic

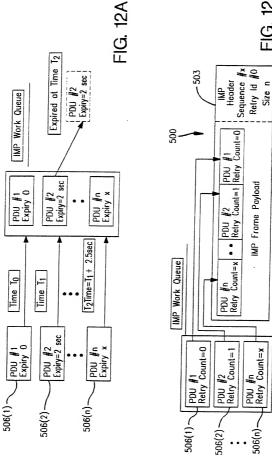
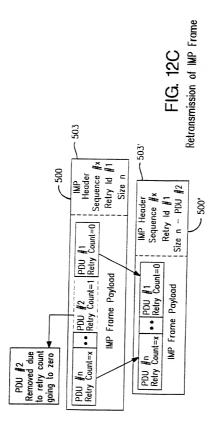


FIG. 12B



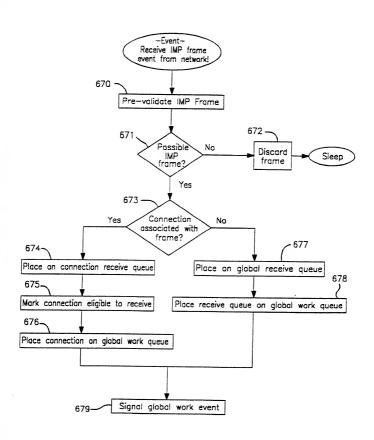
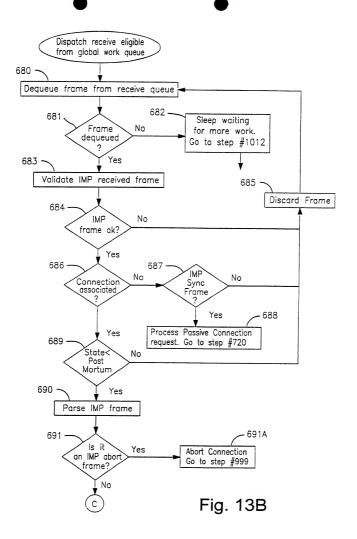
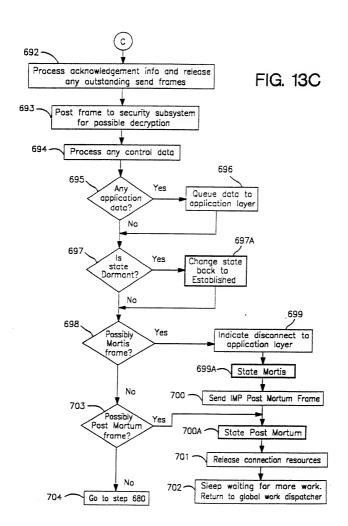
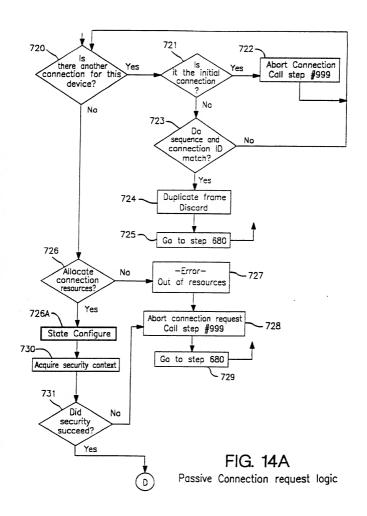


FIG. 13A
Receive Event Logic







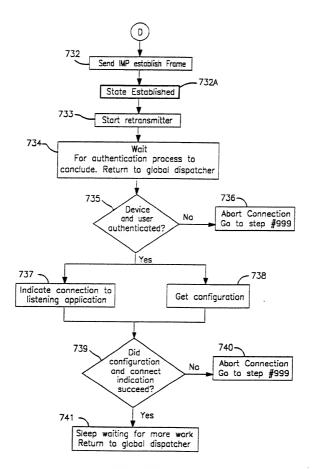
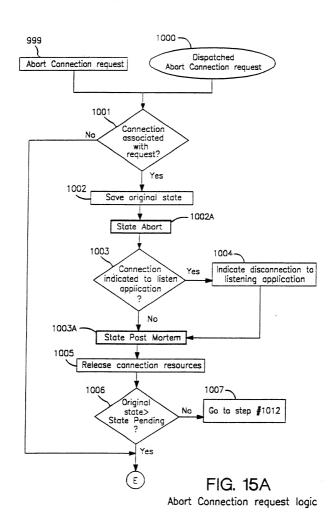


FIG. 14B



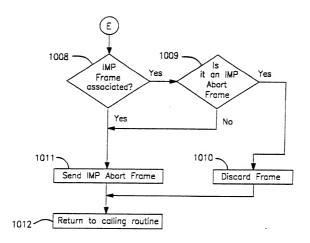


FIG. 15B

Socket:

servers linked list of server

xid integer transaction ID number

ping counter

timeout time-out value that can be backed of

-902

Server:

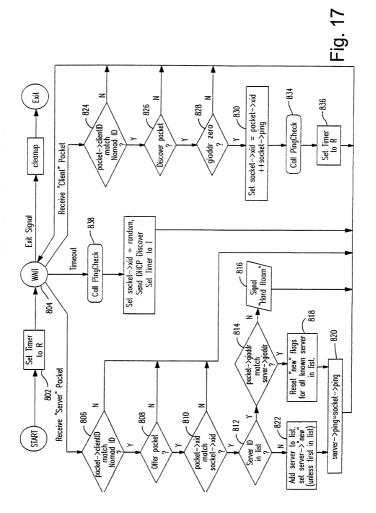
next pointer to next server

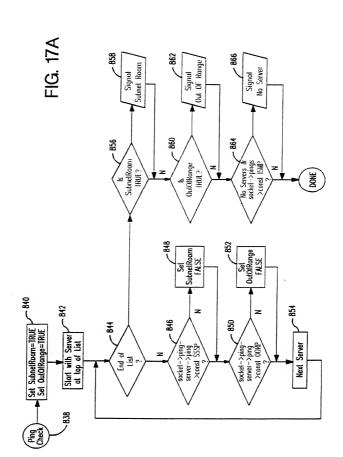
serverID IP Address of a DHCP server
gladdr BOOIP Relay agent recently associated with this server
ping c.f. socket ->ping

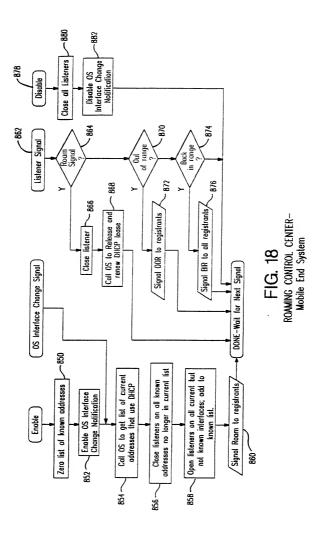
new flag

-904

FIG. 16 DHCP Listener Data Structures







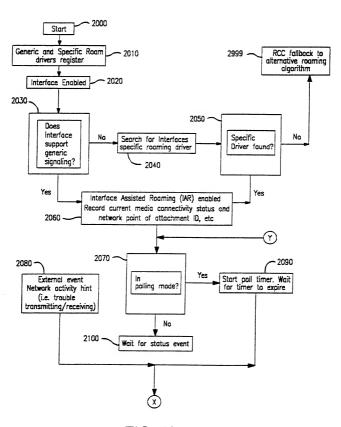
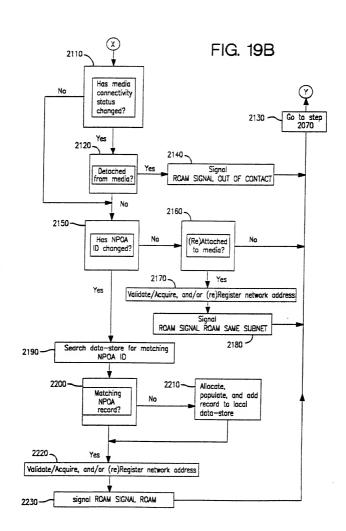


FIG. 19A
Interface Assisted Roaming
(IAR) Decision Tree



Etc.
Timeout
Flags (i.e. Static Dynamic, etc.)
Network Mask
Network Level Address
NPOA Unique Identifier
Previous Table Element
Next Table Element

Etc.
Timeout
Flags (i.e. Static Dynamic, etc.)
Network Mask
Network Level Address
NPOA Unique Identifier
Previous Table Element
Next Table Element

• •

Elc.	
Timeout	
Flags (i.e. Static Dynamic, etc.)	THE R. P. LEWIS CO., LANSING, S. LEWIS CO., L
Network Mask	
Network Level Address	
NPOA Unique Identifier	
Previous Table Element	
Next Table Element	

FIG. 20 Interface Assisted Roaming Topology Node

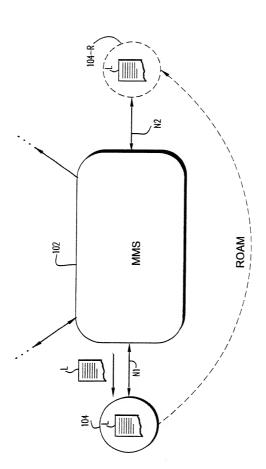
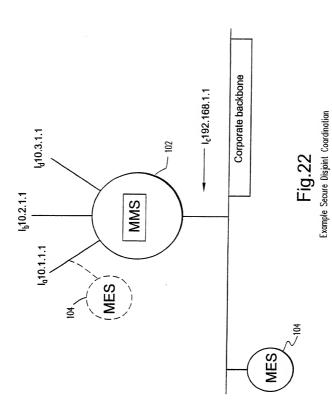
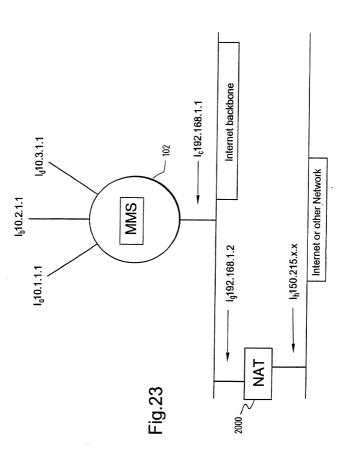


Fig.21
Disjoint network Roaming





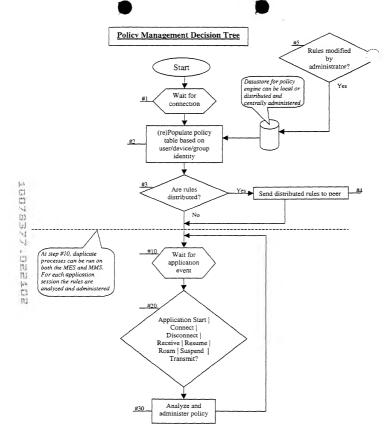
## Example Policy Management Rules Table

	_	_	-	_	1
Deny Request		Y	٨	z	2
User		US Patent Office	US Patent Office	US Patent Office	US Patent Office
Network Point of Attachment		Any	Any	Any	Any
Location (GPS	Cool dillidica)	Any	Any	Any	Any
Network		Amy	Any	Any	Any
Process Name	V V	AMIN	Any	Any	Any
BPS (A vailable)	100,000	000,000	2 100,000		
MES Dest Address	Anv	V	, i o	10.1.1.	Any
MES Dest Port	2.1	30	2000	2000	2000
MES Source Address	Anv	Anv	Ann	1 01	10.1.1.1
MES Source Port	Any	Anv	2008	2005	2000
Proxied	>	Y	z	2	
TX/RX	<u> </u>	T/R	٢	~	

## Assumptions

- 1. Peer File Transfer Protocol control and data ports are 21 and 20
  - \* indicates wildcard
- 3. MMS network address and port is 10.1.1.1: 5008
  4. MES network port that frames from MMS is races.
- MES network port that frames from MMS is received on is 5008

defined for policy management. Others variables such as monetary cost, location, network point of attachment, etc. can be added to the decision tree. Furthermore, the rules engine interpreting these entries can be distributed between the MES and MMS. As such either side or both may In the example above all connections to destination ports 20 and 21 are denied or throttled if the available bandwidth is reduced to less then traffic that is not proxied is implicitly discarded. It should be appreciated that this table does not represent the full set of metrics that can be 100,000 bytes per second. In this example rules (rows) 3 and 4 only allow network traffic to flow to and from the MMS. All other network enforce the specified policy.



F.G. 25